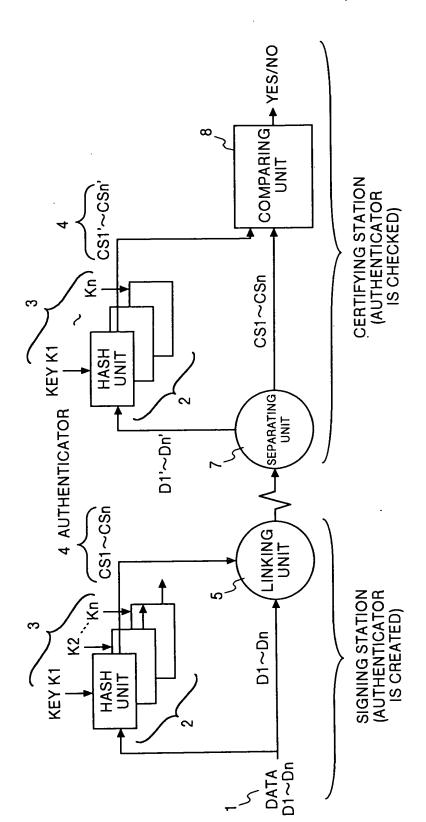
FIG. 1

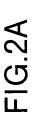
draft and the first that that the order

the second control of the second control of



1/6

APPROJEC



And the state of t

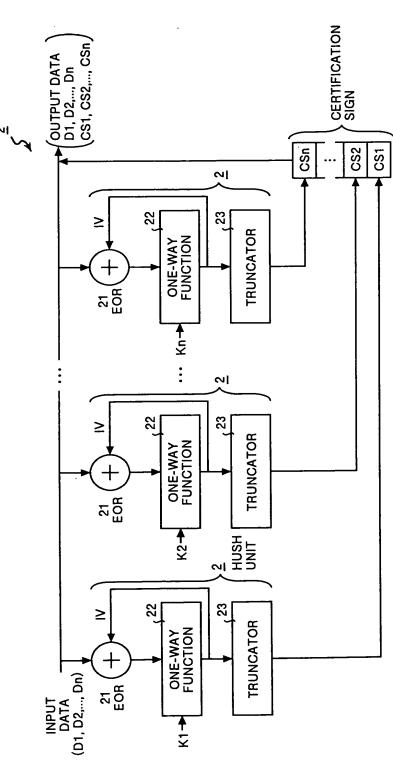


FIG.2B

(b-1)CS1-GENERATING PROCESS ⊕ IV=PUBLIC CONSTANT ③→EK1[L11(+)D2]=L12 ②→EK1[IV(+)D1]=L11

(d→EK1[L1(n-1)(+)Dn]=L1n
(5)→Tr[L1n]=CS1

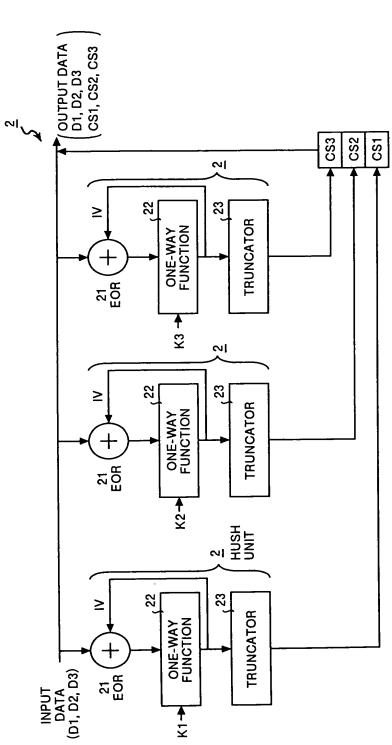
- Tr[L2n]=CS2

(b-2)CS2-GENERATING PROCESS - IV=PUBLIC CONSTANT EK2[L2(n-1)(+)Dn]=L2n EK2[L21(+)D2]=L22 EK2[IV(+)D1]=L21

(b-3)CS3-GENERATING PROCESS P IV=PUBLIC CONSTANT EK3[L3(n-1)(+)Dn]=L3n - Tr[L3n]=CS3 EK3[L31(+)D2]=L32 EK3[IV(+)D1]=L31

teaff aft. If they then they then the

the first than the first the

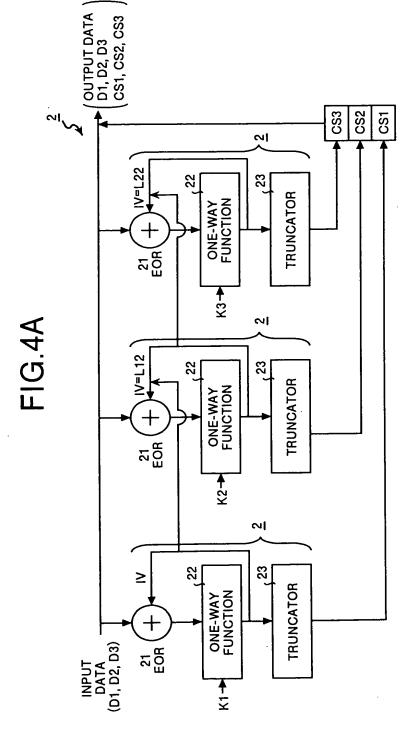


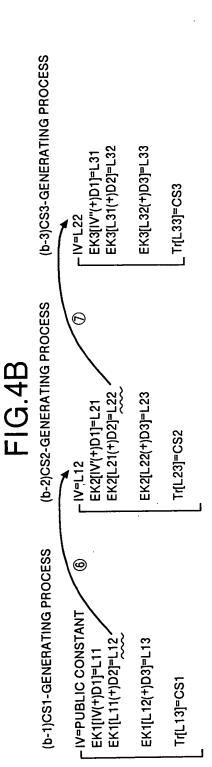
3/6

FIG.3B

V=PUBLIC CONSTANT EK2[L21(+)D2]=L22 EK2[L22(+)D3]=L23 Tr[L23]=CS2 EK2[IV(+)D1]=L21 (b-1)CS1-GENERATING PROCESS ① →IV=PUBLIC CONSTANT (d'→EK1[L12(+)D3]=L13 (G'→Tr[L13]=CS1 3'→EK1[L11(+)D2]=L12 ②→EK1[IV(+)D1]=L11

IV=PUBLIC CONSTANT EK3[L31(+)D2]=L32 EK3[IV(+)D1]=L31 (b-2)CS2-GENERATING PROCESS

(b-3)CS3-GENERATING PROCESS EK3[L32(+)D3]=L33 Tr[L33]=CS3 



ം. FIG.

SUBCLASS

FIG.5

EXAMPLE OF A DOCUMENT

THE PRESENT INVENTION • • • •	
D_1	D_2
••••• 350Km/h•••••	
• THE PRICE IS SET TO ONE MILLION.	
,	
ARC AUTOMO	BILE INDUSTRY
AFE16085	

EXAMPLE OF A
AUTHENTICATOR IN A
DES-MAC SYSTEM
8 DIGITS (1 DIGIT=4 BITS)

FIG.6A

PRESENT INVENTION

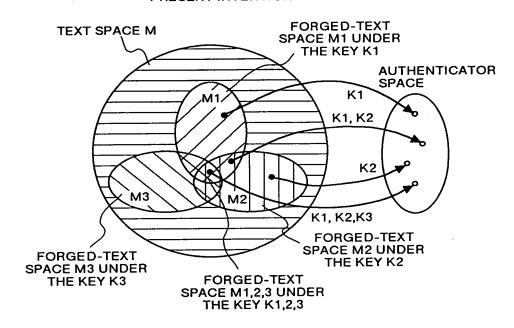


FIG.6B

CONVENTIONAL TYPE

